## BRUHAT BANGALORE MAHANAGARA PALIKE

**NAME OF THE PROJECT: Construction of Stamp vendors buildings near Mini Vidhana soudha building in ward no:05 Yelahanka New Town Sub Division**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | **Estimate Cost** | **3000000.00** |
| **Sl No** | **Description of Item** | **Unit** | **No** | **L** | **B** | **D** | **Qty** | **Rate** | **Amount** |
| 1 | Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work. Depth exceeding 1.5m, but not exceeding 3 m (PWD SR 2021-22 Vol -I Pg 5 item No. 1.4.2) | | | | | | | | |
| | **Footings** | | | | | | | | |
| | | Cum | 20 | 1.50 | 1.50 | 1.80 | 81.00 | | |
| | **SSM Footing** | | | | | | | | |
| | Along long direction | Cum | 2 | 15.95 | 0.75 | 0.90 | 21.53 | | |
| | Along Short direction | Cum | 10 | 1.90 | 0.75 | 0.90 | 12.83 | | |
| | | Cum | 2 | 2.10 | 0.75 | 0.90 | 2.84 | | |
| | Sump | Cum | 1 | 2.00 | 2.00 | 1.90 | 7.60 | | |
| | Basic rate | | | | | | | 199.00 | |
| | Area weightage 10% | | | | | | | 19.9 | |
| | Total | | | | | | **125.79** | **218.9** | **27535.98** |
| 2 | KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. Specification No. (PWD SR 2021-22 Vol -2 CORRIGENDA,item No. 6.4) | | | | | | | | |
| | **Footings** | | | | | | | | |
| | | Cum | 20 | 1.5 | 1.5 | 0.10 | 4.50 | | |
| | Basic rate | | | | | | | 2561.00 | |
| | Area weightage 10% | | | | | | | 256.1 | |
| | **Total** | | | | | | **4.50** | **2817.10** | **12676.95** |
| 3 | Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. Mix 1:3:6 (M10) Using 40 mm nominal size graded crushed coarse aggregates.Specification (PWD SR 2021-22 Vol -I Pg 15 item no 2.1.3) | | | | | | | | |
| | **Footings** | | | | | | | | |
| | | Cum | 20 | 1.5 | 1.5 | 0.15 | 6.75 | | |
| | **SSM Below** | | | | | | | | |
| | Along long direction | Cum | 2 | 28.95 | 0.75 | 0.15 | 6.51 | | |
| | Along Short direction | Cum | 10 | 2.8 | 0.75 | 0.15 | 3.15 | | |
| | | Cum | 2 | 2.1 | 0.75 | 0.15 | 0.47 | | |
| | Sump | Cum | 1 | 2.00 | 2.00 | 0.15 | 0.60 | | |
| | Basic rate | | | | | | | 5554.00 | |
| | Area weightage 10% | | | | | | | 555.4 | |
| | **Total** | | | | | | **17.49** | **6109.40** | **106830.50** |

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| | Description of Item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. Mix 1:3:6 (M10) Using 40 mm nominal size graded crushed coarse aggregates.Specification (PWD SR 2021-22 Vol -I Pg 15 item no 2.1.3) | | | | | | | | |
| | **SSM Above** | | | | | | | | |
| | Along long direction | Cum | 2 | 28.95 | 0.60 | 0.1 | 3.47 | | |
| | Along Short direction | Cum | 10 | 2.8 | 0.60 | 0.1 | 1.68 | | |
| | | Cum | 2 | 2.1 | 0.60 | 0.1 | 0.25 | | |
| | Basic rate | | | | | | | 5880.00 | |
| | Area weightage 10% | | | | | | | 588 | |
| | **Total** | | | | | | **5.41** | **6468.00** | **34966.01** |
| 5 | Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6 (1 cement : 6 coarse sand) (Vol 2/ P No-9/ I no- 5.4 of PWD SR 2021-22) | | | | | | | | |
| | **SSM** | | | | | | | | |
| | Along long direction | Cum | 2 | 28.95 | 0.6 | 0.75 | 26.06 | | |
| | Along Short direction | Cum | 10 | 2.8 | 0.6 | 0.75 | 12.60 | | |
| | | Cum | 2 | 2.1 | 0.6 | 0.75 | 1.89 | | |
| | Basic rate | | | | | | | 5352.00 | |
| | Area weightage 10% | | | | | | | 535.2 | |
| | **Total** | | | | | | **40.55** | **5887.2** | **238696.52** |
| 6 | Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations and other similar works etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m. ((PWD SR 2021-22 Vol- 1 P.No -7 / I.No -1.9) | | | | | | | | |
| | **Filling Available of Excavated Earth** | | | | | | | | |
| | Earth Work Excavation | Cum | Qty vide from : 1 | | | | 125.79 | | |
| | PCC for Footing | Cum | Qty vide from : 3 & 4 | | | | -22.29 | | |
| | Filling in foundation with granite / trap broken metal | Cum | Qty vide from : 2 | | | | -4.50 | | |
| | SSM Footing | Cum | Qty vide from : 5 | | | | -40.55 | | |
| | Footing Concrete Quantity | Cum | Qty vide from : 9 | | | | -18.00 | | |
| | Basic rate | | | | | | | 204.00 | |
| | Area weightage 10% | | | | | | | 20.4 | |
| | **Total** | | | | | | **40.46** | **224.40** | **9078.16** |
| 7 | **Loading and Unloading of Stone Boulder**/Stone aggregates/ Sand/Kankar/Moorum. (Tipper 14 m3) (PWD SR 2021-22 Vol-III Page No.3, Item No.1.1C ) | | | | | | | | |
| | Excavated Earth | Cum | | | | | 125.79 | | |
| | Filling Available of Excavated Earth | | | | | | -40.46 | | |
| | | | | | | | | | |
| | **Basic rate** | | | | | | | 74.00 | |
| | **Area weightage 10%** | | | | | | | **7.40** | |
| | **Total** | | | | | | **85.34** | **81.40** | **6946.45** |

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| | Description of Item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | Cost of Haulage Excluding Loading and Unloading Taking output 10 t load and lead 10 km = 100 t.km (PWD SR 2021-22 Vol-III Page No.3, Item No.1.4A ) | | | | | | | | |
| | | t.Km | | 85.34 | | 1.280 | 109.2317 | | |
| | | | | | | | | | |
| | **Basic rate** | | | | | | | **12.00** | |
| | 8Km 12*8 | | | | | | | **96.00** | |
| | **Area weightage 10%** | | | | | | | **9.60** | |
| | **Total** | | | | | | **109.23** | **105.60** | **11534.87** |
| 9 | Providing and laying in position Reinforced cement concrete for all **Sub structures of building,** Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/ trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) **M25** Design Mix Using 20 mm nominal size graded crushed coarse aggregates (Vol 2/ P No-17/ I no- 2.4.3 of PWD SR 2021-22) | | | | | | | | |
| | **Footings** | | | | | | | | |
| | | Cum | 20 | 1.5 | 1.5 | 0.4 | 18.00 | | |
| | **Column below plinth** | | | | | | | | |
| | | Cum | 20 | 0.2 | 0.3 | 0.70 | 0.84 | | |
| | **Plint Beam** | | | | | | | | |
| | | Cum | 2 | 28.95 | 0.2 | 0.45 | 5.21 | | |
| | | Cum | 10 | 2.80 | 0.2 | 0.45 | 2.52 | | |
| | | Cum | 2 | 2.1 | 0.2 | 0.45 | 0.38 | | |
| | **For sump** | | | | | | | | |
| | Bottom slab | Cum | 1 | 2.00 | 2.00 | 0.15 | 0.60 | | |
| | Sump walls | Cum | 2 | 2.00 | 0.15 | 1.80 | 1.08 | | |
| | | Cum | 2 | 1.70 | 0.15 | 1.80 | 0.92 | | |
| | Cover slab | Cum | 1 | 2.00 | 2.00 | 0.15 | 0.60 | | |
| | Basic rate | | | | | | | 5992.00 | |
| | Add 8% For Shuttering | | | | | | | 479.36 | |
| | **Sub Total** | | | | | | | **6471.36** | |
| | Area weightage 10% | | | | | | | 647.14 | |
| | **Total** | | | | | | **30.15** | **7118.50** | **214601.30** |
| 10 | Providing and laying in position Reinforced cement concrete for all **Super structures of building** , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) **M25 Design Mix** Using 20 mm nominal size graded crushed coarse aggregates (Vol 2/ P No-17/ I no- 2.5.2 of PWD SR 2021-22) | | | | | | | | |
| | **Ground Floor** | | | | | | | | |
| | **Columns upto beam bottom** | | | | | | | | |
| | | Cum | 20 | 0.2 | 0.3 | 3.00 | 3.60 | | |
| | Basic rate | | | | | | | 6186.00 | |
| | Add 10% for Shuttering | | | | | | | 618.60 | |
| | **Sub total** | | | | | | | 6804.60 | |

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| Description of Item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|
| Area weightage 10% | | | | | | | 680.46 | |
| **Total** | | | | | | **3.60** | **7485.06** | **26946.22** |
| | | | | | | | | |
| **Slab** | Cum | 1 | 30.95 | 5.4 | 0.15 | 25.07 | | |
| **Toilets** | Cum | 2 | 2.5 | 1.4 | 0.15 | 1.05 | | |
| Deduction | | | | | | | | |
| Satircase | Cum | -1 | 4.93 | 2.15 | 0.15 | -1.59 | | |
| | | | | | | | | |
| Basic rate | | | | | | | 6186.00 | |
| Add 20% for Shuttering | | | | | | | 1237.20 | |
| **Sub total** | | | | | | | 7423.20 | |
| Area weightage 10% | | | | | | | 742.32 | |
| **Total** | | | | | | **24.53** | **8165.52** | **200296.74** |
| | | | | | | | | |
| **Beams** | | | | | | | | |
| Along long direction | Cum | 2 | 28.95 | 0.30 | 0.45 | 7.82 | | |
| Along Short direction | Cum | 10 | 4.80 | 0.30 | 0.45 | 6.48 | | |
| | Cum | 2 | 2.1 | 0.30 | 0.45 | 0.57 | | |
| Basic rate | | | | | | | 6186.00 | |
| Add 20% for Shuttering | | | | | | | 1237.20 | |
| **Sub total** | | | | | | | 7423.20 | |
| Area weightage 10% | | | | | | | 742.32 | |
| **Total** | | | | | | **14.86** | **8165.52** | **121368.21** |
| | | | | | | | | |
| **Lintel** | | | | | | | | |
| Along long direction | Cum | 2 | 28.95 | 0.2 | 0.2 | 2.32 | | |
| | Cum | 2 | 1.20 | 0.2 | 0.2 | 0.10 | | |
| Along Short direction | Cum | 10 | 3.40 | 0.2 | 0.2 | 1.36 | | |
| | Cum | 2 | 2.00 | 0.2 | 0.2 | 0.16 | | |
| Basic rate | | | | | | | 6186.00 | |
| Add 20% for Shuttering | | | | | | | 1237.20 | |
| **Sub total** | | | | | | | 7423.20 | |
| Area weightage 10% | | | | | | | 742.32 | |
| **Total** | | | | | | **3.93** | **8165.52** | **32106.82** |
| | | | | | | | | |
| **Staircase** | | | | | | | | |
| Waist slab | Cum | 2 | 4.00 | 1 | 0.175 | 1.40 | | |
| Steps | Cum | 23 | 1.00 | | 0.022 | 0.51 | | |
| | | | triangular area 0.5*0.3*0.15=0.022 | | | | | |
| Landing slab | Cum | 1 | 1.00 | 2.15 | 0.175 | 0.38 | | |
| | | | | | | | | |
| Basic rate | | | | | | | 6186.00 | |
| Add 20% for Shuttering | | | | | | | 1237.20 | |
| **Sub total** | | | | | | | 7423.20 | |
| Area weightage 10% | | | | | | | 742.32 | |
| **Total** | | | | | | **2.28** | **8165.52** | **18635.76** |

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| | Description of Item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| 11 | Providing Thermo-Mechanically Treated bars of grade Fe-550 Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately) (Vol- 1 P.No. 84/I.No. 11.32 of PWD SR 2021-22 1st Corrigenda) | | | | | | | | |
| | **Ground Floor** | | | | | | | | |
| | Footing | Cum | Concrete Quantity | | | | 18.00 | | |
| | | kg | Steel assumed 100 Kg/Cum of Concrete | | | | 1800.0 | | |
| | Column | Cum | Concrete Quantity | | | | 4.44 | | |
| | | kg | Steel assumed 130 Kg/Cum of Concrete | | | | 577.20 | | |
| | Beam | Cum | Concrete Quantity | | | | 22.59 | | |
| | | kg | Steel assumed 120 Kg/Cum of Concrete | | | | 2711.3 | | |
| | Roof Slab | Cum | Concrete Quantity | | | | 24.53 | | |
| | | kg | Steel assumed 100 Kg/Cum of Concrete | | | | 2453.0 | | |
| | Lintel | Cum | Concrete Quantity | | | | 3.93 | | |
| | | kg | Steel assumed 100 Kg/Cum of Concrete | | | | 393.2 | | |
| | Staircase | Cum | Concrete Quantity | | | | 2.28 | | |
| | | kg | Steel assumed 125 Kg/Cum of Concrete | | | | 285.3 | | |
| | Sump | Cum | Concrete Quantity | | | | 3.20 | | |
| | | kg | Steel assumed 125 Kg/Cum of Concrete | | | | 399.8 | | |
| | Basic rate | | | | | | | 96.00 | |
| | Area weightage 10% | | | | | | | 9.60 | |
| | **Total** | | | | | | **8619.73** | **105.6** | **910243.36** |
| 12 | Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications. (Vol 2/ P No-17/ I no-6.32 of PWD SR 2021-22) | | | | | | | | |
| | **Ground Floor** | | | | | | | | |
| | Along long direction | Sqm | 2 | 28.95 | | 3.00 | 173.70 | | |
| | Along Short direction | Sqm | 10 | 3.00 | | 3.00 | 90.00 | | |
| | | Sqm | 2 | 2.1 | | 3.00 | 12.60 | | |
| | **Deduction** | | | | | | | | |
| | D | Sqm | -4 | 0.75 | | 2.10 | -6.30 | | |
| | Rolling Shutter | Sqm | -8 | 2.5 | | 3.00 | -60.00 | | |
| | V | Sqm | -4 | 0.75 | | 0.60 | -1.80 | | |
| | Lintel | Sqm | -2 | 28.95 | | 0.20 | -11.58 | | |
| | | Sqm | -10 | 3 | | 0.20 | -6.00 | | |
| | | Sqm | -2 | 1.20 | | 0.20 | -0.48 | | |
| | Basic rate | | | | | | | 1196.00 | |
| | Area weightage 10% | | | | | | | 119.60 | |

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| | Description of Item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | **Total** | | | | | | **190.14** | **1315.60** | **250148.18** |
| 13 | Providing and constructing load bearing wall with Solid Concrete blocks of size 400x100x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications. (Vol 2/ P No-17/ I no-6.34 of PWD SR 2021-22) | | | | | | | | |
| | **Ground Floor** | | | | | | | | |
| | | Sqm | 2 | 1.2 | | 2.10 | 5.04 | | |
| | Basic Rate | | | | | | | 940.00 | |
| | Area weightage 10% | | | | | | | 94.00 | |
| | **Total** | | | | | | **5.04** | **1034.00** | **5211.36** |
| 14 | Providing and laying Cement concrete flooring 40 mm thick with 20mm nominal size stone aggregate using 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry complete.(PWD SR 2021-22 Vol -II Pg 59 item no 9.1) | | | | | | | | |
| | **Ground Floor** | | | | | | | | |
| | Shops | Sqm | 8 | 3 | 3 | | 72.00 | | |
| | Staircase room | Sqm | 1 | 2.15 | 3 | | 6.45 | | |
| | Toilets | Sqm | 4 | 1.2 | 1 | | 4.80 | | |
| | Basic rate | | | | | | | 400.00 | |
| | Area weightage 10% | | | | | | | 40 | |
| | **Total** | | | | | | **83.25** | **440.00** | **36630.00** |
| 15 | Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) Mix 1:2:4 (M15) Using 20 mm nominal size graded crushed coarse aggregates(PWD SR 2021-22 Vol -I Pg 17 item no 2.4.1) | | | | | | | | |
| | Ground Floor | | | | | | | | |
| | Shops | Cum | 8 | 3 | 3 | 0.1 | 7.20 | | |
| | Staircase room | Cum | 1 | 2.15 | 3 | 0.1 | 0.65 | | |
| | Toilets | Cum | 4 | 1.2 | 1 | 0.1 | 0.48 | | |
| | Basic rate | | | | | | | 5880.00 | |
| | Area weightage 10% | | | | | | | 588 | |
| | **Total** | | | | | | **8** | **6468.00** | **53846.10** |
| 16 | Providing and fixing fiber glass reinforced plastic (FRP) Door frames of cross-section 90mm x 45mm having single rebate of 32mm x15mm to receive shutter of 30mm thickness. The laminate shall be moulded with fire resistant grade unsaturated polyster resin and chopped mat. Door frame laminate shall be 2mm thick and shall be filled with suitable wooden block in all the three legs, The frames shall be covered with fiber glass from all sides. M.S. stay shall be provided at the bottom to steady the frames (PWD SR 2021-22 Vol -II Corrigenda, item no 12.98) | | | | | | | | |
| | **Ground Floor** | | | | | | | | |
| | D | m | 4 | 4.95 | | | 19.80 | | |
| | Basic rate | | | | | | | 631.00 | |
| | Area weightage 10% | | | | | | | 63.1 | |
| | Total | | | | | | **19.80** | **694.1** | **13743.18** |

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| | Description of Item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| 17 | Providing and fixing to existing door frames. 30mm thick glass fiber reinforced plastic (FRP) pannelled door shutter of required colour and approved brand and manufacture, made ith fire-retardant grade unsaturated polyester resin, moulded to 3mm thick FRP laminate for forming hallow rails and styles, with wooden frames and suitable blocks of seasoned wood inside at required place for fixing of fittings, cast monolithically with 5mm thick FRP laminate for panels conforming to IS:14856, including fixing to frames (PWD SR 2021-22 Vol -II Corrigenda, item no 12.99.1) | | | | | | | | |
| | **Ground Floor** | | | | | | | | |
| | D | Sqm | 4 | 0.75 | | 2.1 | 6.3 | | |
| | Basic rate | | | | | | | 3125.00 | |
| | Area weightage 10% | | | | | | | 312.50 | |
| | **Total** | | | | | | **6.30** | **3437.50** | **21656.25** |
| 18 | Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to openings / wooden frames with rawl plugs screws etc. (PWD SR 2021-22 Vol -II Pg 85 item no 11.34B) | | | | | | | | |
| | Ground Floor | | | | | | | | |
| | V | Kg | 4.00 | | | 9.45 | 37.80 | | |
| | | | 21kg per sqm 0.75*0.6*21 | | | | | | |
| | Basic rate | | | | | | | 159.00 | |
| | Area weightage 10% | | | | | | | 15.90 | |
| | **Total** | | | | | | **37.80** | **174.90** | **6611.22** |
| 19 | Providing & fixing of louvered ventilator made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free with gaskets -grey colour having isolated drainage and reinforced with Galvanized Iron profile through-out the ventilator frame. The frame having overall size of 39mm x 39mm with GI reinforcement of 1mm thickness. Louver clip in Aluminium (powder coated in white) will be used on the frame along with plastic parts for fixing the 4 mm pin head glass. Wall thickness of frame shall be 2mm.Maximum possible size – 1000mm x 1000mm. (The cost is inclusive of all fixtures and separate charges for minor T&P's shall not be made). (PWD SR 2021-22 Vol -II Pg 110 item no 12.85) | | | | | | | | |
| | V | Sqm | 4 | 0.75 | | 0.6 | 1.80 | | |
| | Basic rate | | | | | | | 4870.00 | |
| | Area weightage 10% | | | | | | | 487.00 | |
| | **Total** | | | | | | **1.80** | **5357.00** | **9642.6** |
| 20 | Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two coat applied @ 0.90 ltr/10 m² over an under coat of primer applied @ 0.80 ltr/10 m² of approved brand and manufacture including preparing the surface after thorougly cleaning oil, grease, dirt and foreign matter, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge. (PWD SR 2021-22 Vol -II Pg 47 item no 8.33.3) | | | | | | | | |
| | For window and ventilators Grills | sqm | | ventilator qty | | | 1.80 | | |
| | Basic rate | | | | | | | 106.00 | |
| | Area weightage 10% | | | | | | | 10.60 | |
| | **Total** | | | | | | **1.80** | **116.60** | **209.88** |

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| | Description of Item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| 21 | Providing and laying water proofing treatment to the Water tanks & Liquid Retaining structures with two component acrylic polymer modified cementitious waterproofing membrane with minimum elongation of 50% applied @ 1.5 kg/m2 for internal side waterproofing in two layers with waiting period of 4-6 hrs per layer and food grade epoxy coating in two coats certified by CFTRI Mysuru, including surface preparation completely as per specification & with a 10 years warranty on product & work from certified manufacturers as per the direction of the Engineer In charge. (PWD SR 2021-22 Vol -II Pg 134 item no 15.6) | | | | | | | | |
| | **For sump** | | | | | | | | |
| | Bottom slab | Sqm | 1 | 2 | 2 | | 4.00 | | |
| | Sump walls | Sqm | 2 | 2 | | 1.8 | 7.20 | | |
| | | Sqm | 2 | 1.9 | | 1.8 | 6.84 | | |
| | Cover slab | Sqm | 1 | 2 | 2 | | 4.00 | | |
| | Basic rate | | | | | | | 455.00 | |
| | Area weightage 10% | | | | | | | 45.50 | |
| | Total | | | | | | **22.04** | **500.50** | **11031.02** |
| 22 | Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters. 80x0.90 mm M.S. laths with 0.90 mm thick top cover including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge.(PWD SR 2021-22 Vol -II Pg 76 item no 11.6.3) | | | | | | | | |
| | Rolling Shutter | Sqm | 8 | 2.5 | | 3.00 | 60 | | |
| | Basic rate | | | | | | | 2244.00 | |
| | Area weightage 10% | | | | | | | 224.40 | |
| | Total | | | | | | 60.00 | 2468.40 | **148104.00** |
| 23 | Providing and placing on terrace(at all floor levels), polyethylene water storage tanks as per IS 12701 marked,with cover and suitable locking arrangement and making necessary holes for inlet,outlet and overflow pipes but without fittings and the base support for tank(For 1000 litre capacity) (PWD SR 2021-22 1st Corrigenda Vol II.SI No.12.Item No 13.34). | | | | | | | | |
| | Sintex | | | | | | | | |
| | | ltr | 1000 | | | | 1000.00 | | |
| | | | | | | | | | |
| | **Basic rate** | | | | | | | **8.00** | |
| | **Area weightage 10%** | | | | | | | **0.80** | |
| | **Total** | | | | | | **1000.00** | **8.80** | **8800.00** |
| 24 | Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.,) 20mm nominal dia pipes (PWD SR 2021-22 1st Corrigenda Vol II. SL No. 10 .Item No 13.32.2) | | | | | | | | |
| | **Pipe** | m | 10 | | | | 10.00 | | |
| | | | | | | | | | |
| | **Basic rate** | | | | | | | **373** | |
| | **Area weightage 10%** | | | | | | | **37.30** | |
| | **Total** | | | | | | **10.00** | **410.30** | **4103.00** |

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| Description of Item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | Total | 2542200.62 |
| | | | | | | | GST Charges (18% of estimated cost) | 457596.1 |
| | | | | | | | Miscellaneous and Rounding off | 203.3 |
| | | | | | | | Grand Total | 3000000.00 |

CERTIFICATE:

1) The work spot has been inspected and found to be necessary
2) The work spot comes under B.B.M.P
3) The provisions made in the estimate are necessary and minimum.
4) The estimate is based on S.R of 2021-2022, Data Rates, Issused Rates and Corigenda 1 & 2.

Assistant Engineer
BBMP

Assistant Executive Engineer
BBMP

Executive Engineer
BBMP

Administrative Approval
Accorded For Rs. 30.00 Lakhs.
Head of A/C P.3796
CER NO : 92 Dt: 22/8/2022
EA
CE (YNK)

Technical Sanction
Accorded For 30.00 Lakhs
Head of A/C P.3796
CER NO : 94 Dt: 22/8/2022

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